

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1(Previously presented). A protein expression vector comprising (a) a nucleotide sequence encoding an IgG( $\kappa$ ) or a trypsin secretory signal peptide, (b) a nucleotide sequence encoding a polyhistidine amino acid sequence, (c) a nucleotide sequence encoding a polypeptide comprising amino acid residues 36-40 of SEQ ID NO:19 (Asp-Asp-Asp-Asp-Lys), wherein said polypeptide is cleavable by an enterokinase, and (d) a cloning site into which a polynucleotide encoding a target protein can be inserted, wherein:

(a), (b), (c) and (d) are assembled within the vector in the order recited;

the expression vector further comprises a polynucleotide encoding at least one amino acid residue, wherein said polynucleotide is located between the 3' end of the polynucleotide encoding the IgG( $\kappa$ ) or the trypsin secretory signal peptide and the 5' end of the polynucleotide having the nucleotide sequence of (c); and

the polynucleotide encoding at least one amino acid residue is a polynucleotide encoding a polypeptide comprising

Appln. No. 09/856,050  
Amd. dated January 12, 2005  
Reply to Office Action of October 19, 2004

amino acid residues 24-29 of SEQ ID NO:19 (Leu-Val-His-Gly-Lys-Leu).

Claims 2-5 (Cancelled).

6(Currently Amended). A protein expression vector comprising (a) a nucleotide sequence encoding an IgG( $\kappa$ ) or a trypsin secretory signal peptide, (b) a nucleotide sequence encoding a polyhistidine amino acid sequence, (c) a nucleotide sequence encoding a polypeptide comprising amino acid residues 36-40 of SEQ ID NO:19 (Asp-Asp-Asp-Asp-Lys), wherein said polypeptide is cleavable by an enterokinase, and (d) a cloning site into which a polynucleotide encoding a target protein can be inserted, wherein:

(a), (b), (c) and (d) are assembled within the vector in the order recited;

the expression vector further comprises a polynucleotide encoding at least one amino acid residue, wherein said polynucleotide is located between the 3' end of the polynucleotide encoding the IgG( $\kappa$ ) or the trypsin secretory signal peptide and the 5' end of the polynucleotide having the nucleotide sequence of (c);

the polynucleotide encoding at least one amino acid residue comprises a nucleotide sequence encoding amino acids 36-40 of SEQ ID NO:19 (Asp-Asp-Asp-Asp-Lys).

Appln. No. 09/856,050  
Amd. dated January 12, 2005  
Reply to Office Action of October 19, 2004

Claims 7-16 (Cancelled).

17(Currently Amended). A host cell transformed with the protein expression vector comprising (a) a nucleotide sequence encoding an IgG( $\kappa$ ) or a trypsin secretory signal peptide, (b) a nucleotide sequence encoding a polyhistidine amino acid sequence, (c) a nucleotide sequence encoding a polypeptide comprising amino acid residues 36-40 of SEQ ID NO:19 (Asp-Asp-Asp-Asp-Lys), ~~wherein~~ wherein said polypeptide is cleavable by an enterokinase, and (d) a cloning site into which a polynucleotide encoding a target protein can be inserted, wherein:

(a), (b), (c) and (d) are assembled within the vector in the order recited;

a polynucleotide encoding a target protein is inserted in the cloning site (d); and

said ~~animal~~ host cell is an insect cell.

Claims 18-30 (Cancelled).